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Such dissimilarly formed locomotive organs as we meet with in the small pipe-fish, as young and as old individuals, are explained by the different kind of locomotion which it employs at these various periods of life, and this again seems to indicate quite a distinct habit. To inquire more accurately into this point, as also to determine the period and kind of the metamorphosis, remains yet for future observations.

I take this opportunity of mentioning that the delicate young *Syngnathi* are perhaps of all things the best suited for microscopical examinations on the circulation of the blood.

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" The rains here continue very heavy ; it is impossible to stir abroad without being drenched. I have been waiting some time for a vessel to convey me to Avacati, which is to sail in a few days ; thence I intend to go to a place called Teó, about 200 miles inland, where I shall remain some time, and if all be well, go across the mountains into the province of Piauhy. I find that it is requisite to purchase four horses at least, which, with their trappings, cost about 50*l.* A very good black servant, who has already been in my employ for five months, will accompany me.

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